CPC COOPERATIVE PATENT CLASSIFICATION

C03C CHEMICAL COMPOSITION OF GLASSES, GLAZES, OR VITREOUS ENAMELS; SURFACE TREATMENT OF GLASS; SURFACE TREATMENT OF FIBRES OR FILAMENTS FROM GLASS, MINERALS OR SLAGS; JOINING GLASS TO GLASS OR OTHER MATERIALS

NOTES

- 1. This subclass covers compositions of polycristalline fibres
- 2. This subclass does not cover the preparation of single-cristal fibres, which is covered by subclass C30B

WARNING

consolidating}

The following IPC groups are not used in the CPC scheme. Subject matter covered by these groups is classified in the following CPC groups:

C03C 6/00	covered by	C03C 1/00
C03C 10/02 - C03C 10/14	covered by	C03C 10/00
C03C 13/02	covered by	C03C 13/00
C03C 27/12	covered by	B32B 17/00

Chemical con	nposition of glasses, glazes, or vitreous enamels	3/062	with less than 40% silica by weight
NOTE		3/064	containing boron
In groups (CO3C 1/00 - CO3C 14/00, in the absence of an indication rary, classification is made in the last appropriate place.	3/066 3/068 3/07	 containing zinc containing rare earths containing lead
1/00	Ingredients generally applicable to manufacture of glasses, glazes, or vitreous enamels	3/072 3/074	 containing boron containing zinc
1/002 1/004	 {Use of waste materials, e.g. slags} {Refining agents (refining C03B 5/225)} 	3/0745	• • • • • {containing more than 50% lead oxide, by weight}
1/006 1/008	 {to produce glass through wet route} . {for the production of films or coatings} 	3/076	• with 40% to 90% silica, by weight {(C03C 3/045 takes precedence)}
1/02 1/022	 Pretreated ingredients {Purification of silica sand or other minerals} 	3/078	• • containing an oxide of a divalent metal, e.g. an oxide of zinc
1/024 1/026	{Chemical treatment of cullet or glass fibres} {Pelletisation or prereacting of powdered raw	3/083	containing aluminium oxide or an iron compound
1/028	materials (apparatus or methods <u>C03B 1/02</u>)} • {Ingredients allowing introduction of lead or	3/085 3/087	containing an oxide of a divalent metal containing calcium oxide, e.g. common
1/04	other easily volatile or dusty compounds} Opacifiers, e.g. fluorides or phosphates; Pigments	3/089	sheet or container glass containing boron
1/06	 to produce non-uniformly pigmented, e.g. speckled, marbled, or veined products 	3/091 3/093	containing aluminium containing zinc or zirconium
1/08 1/10	to produce crackled effectsto produce uniformly-coloured transparent products	3/095 3/097	containing rare earthscontaining phosphorus, niobium or tantalum
1/105	• • {by the addition of colorants to the forehearth of the glass melting furnace}	3/102 3/105	containing leadcontaining aluminium
3/00 3/04	Glass compositions . containing silica	3/108 3/11	 containing boron containing halogen or nitrogen
3/04	NOTE	3/111 3/112	 {containing nitrogen} containing fluorine
	If silica is specified as being present in a percent range covered by two of the groups C03C 3/06, C03C 3/062 or C03C 3/076, classification is made in both groups. If the range is covered by the three groups, classification is made in group C03C 3/04 itself.	3/115 3/118 3/12 3/122 3/125	 containing boron containing aluminium . Silica-free oxide glass compositions . {containing oxides of As, Sb, Bi, Mo, W, V, Te as glass formers} . {containing aluminium as glass former}
3/045	 {Silicon oxycarbide, oxynitride or oxycarbonitride glasses} 	3/127 3/14	 • {containing TiO₂ as glass former} • containing boron
3/06	• • with more than 90% silica by weight, e.g. quartz {(C03C 3/045 takes precedence)}	3/142 3/145	 {containing lead} containing aluminium or beryllium
3/061	• • • {by leaching a soluble phase and	3/15	containing rare earths

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solution michium solution of containing phosphorus solution michium solution mich				
3.71 containing adminium or beryllium 8.06	3/155	containing zirconium, titanium, tantalum or niobium	8/02	• Frit compositions, i.e. in a powdered or comminuted form
3.71 containing adminium or beryllium 8.06	3/16	containing phosphorus	8/04	• containing zinc
2. containing broom	3/17		8/06	
1921 containing tianium, ziconium, vandum, ungsten or mobishem with group color of boron contium phologen and at least one oxide, e.g. oxide of boron containing phologen and at least one oxide, e.g. oxide of boron containing phologen and at least one oxide, e.g. oxide of boron containing phologen and at least one oxide, e.g. oxide of boron containing phologen and phosphorus	3/19	- · · · · · · · · · · · · · · · · · · ·		
tungsten or molybdenum 3723 - containing haloge and at least on oxide, e.g. oxide of brorn 3724 - containing halogen and at least on oxide, e.g. oxide of brorn 3725 - containing luminor and phosphorus 3726 - containing germanium 3727 - containing germanium 3728 - Chalcogenide glasses, e.g. containing S.S., Te] 3728 - (Icontaining halogen, e.g. chalcohalide glasses) 3726 - (containing bryllium) 3727 - (containing halogen, e.g. chalcohalide glasses) 3728 - (livriting glasses) 3728 - (Icontaining bryllium) 3728 - (Icontaining bryllium) 3729 - (containing bryllium) 3729 - (containing bryllium) 3720 - (containing bryllium) 3720 - (containing bryllium) 3721 - (containing bryllium) 3722 - (containing bryllium) 3723 - (containing bryllium) 3724 - (containing bryllium) 3726 - (containing bryllium) 3727 - (for biologically-compatible glass) 3728 - (livriting glasses) 3729 - (containing bryllium) 3729 - (containing bryllium) 3720 - (containing bryllium) 3720 - (containing bryllium) 3720 - (containing bryllium) 3720 - (containing bryllium) 3721 - (containing side outpositions being frit compositions being frit compositions being frit compositions being frit compositions bryllium plane dispersed in a plassy phase and constitutions, e.g. glass rotation bryllium plane dispersed in a plassy phase and constituting at least 50% being sold being sold being glass of controlled release of a compound incorporated in said glass} 40003 - (for cystal glass, e.g. lead-free crystal glass) 40042 - (for opaline glass) 40042 - (for opaline glass) 40045 - (for plass controlled release of a compound incorporated in said glass) 40046 - (for glass controlled release of a compound incorporated in said glass) 40047 - (for opaline glass) 40048 - (for glass controlled release of a compound incorporated in said glass) 40049 - (for plass eductively and sold plane) 40040 - (for plane glass) 4005 - (for opaline glass) 4006 - (for idectricing glass (DMC-4.001 lakes precedence)) 40071 - (for idectricing glass (DMC-4.001 lakes precedence)) 4008 - (for pla		_		
. containing halogen and at least one oxide, e.g. oxide of borno control and phosphorus six do for borno control and phosphorus six do for the containing grammium sale places are containing from the properties halose, sufface or titled or germanium selenium or tellurium or tell	3/21			-
vakée of boron 3/247 • containing fluorine and phosphorous 3/25 • containing germanium 3/26 • containing germanium 3/27 • containing germanium 3/28 • containing germanium 3/29 •	3/23			
3.2253 - containing germanium 3.225 - containing germanium 3.225 - containing germanium 3.22 - Non-oxide glass compositions, e.g. binary or ternary halides, sulfides or nitrides of germanium, selenium or tellurium 3.232 - (Chalcogenide glasses), e.g. containing S. Se, Te] 3.233 - (Containing halogen, e.g. chalcohalide glasses) 3.232 - (Containing halogen, e.g. chalcohalide glasses) 3.232 - (Containing beryllium) 3.233 - (Containing beryllium) 3.234 - (Containing beryllium) 3.235 - (Containing beryllium) 3.236 - (Containing beryllium) 3.237 - (Containing beryllium) 3.238 - (Nitride glasses) 4.000 - (In ribiologically-compatible glass) 4.0001 - (In ribiologically-compatible glass) 4.0002 - (For cystal glass, e.g. lead-free crystal glass) 4.0003 - (For ribiologically-compatible glass) 4.0003 - (For cystal glass, e.g. lead-free crystal glass) 4.0004 - (For glass comprising or including particular isotopes) 4.0005 - (For orystal glass, e.g. lead-free crystal glass) 4.0006 - (For self-destructing glass) 4.0007 - (For ularsonic delay lines glass) 4.0008 - (For ordoured glass) 4.0008 - (For V-transmitting glass) 4.0009 - (For glass with improved high visible transmittance, e.g. extra-clear glass) 4.0009 - (For ordoured glass) 4.0009 - (For ordoured glass) 4.0000 - (For Photocentritive glass) 4.0000 - (For N-rays absorbing glass) 4.0000 - (For Infra-erd absorbing glass) 4.0000	3/23		0/14	
3322 . Containing germanium relurium re	3/2/17		0/16	-
haldes, sulface or intrides of germanium, selenium or tellurium or tellurium 3221 (Chalcogenide glusses, e.g. containing S, Sc, Te) 3232 (Fluoride glusses) 3232 (Containing halogen, e.g. chalcohalide glasses) 3232 (Containing halogen, e.g. chalcohalide glasses) 3232 (Containing halogen, e.g. chalcohalide glasses) 3232 (Intride glasses) 3232 (Strirde glasses) 3232 (Strirde glasses) 3232 (Strirde glasses) 3232 (Intride glasses) 3232 (Strirde glasses) 3323 (Strirde glasses) 324001 . (Strirde glasses) 324001 . (Strirde glasses) 324002 . (Strirde glasses) 324003 . (Strirde glasses) 324003 . (Strirde glasses) 34003 . (Strirde glasses) 34004 . (Strirde glasses) 34005 . (Strirde glasses) 34006 . (Strirde glasses) 34006 . (Strirde glasses) 34007 . (Strirde glasses) 34008 . (Strirde glasses) 34008 . (Strirde glasses) 34008 . (Strirde glasses) 34008 . (Strirde g				
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or tellurium 3/322 . (Chalcogenide glasses, e.g. containing S, Se, Te) 3/323 (containing halogen, e.g. chalcohalide glasses) 3/325 . (Fluorde glasses) 3/326 . (Eluorde glasses) 3/327 . (Fluorde glasses) 3/328 . (Nitride glasses) 3/328 . (Nitride glasses) 3/328 . (Nitride glasses) 3/329 . (Nitride glasses) 3/329 . (Nitride glasses) 3/329 . (Nitride glasses) 3/320 . (Nitride glasses) 3/40014 . (For cystal glass) 4/40014 . (For cystal glass) 4/4002 . (For cystal glass) 4/4003 . (For cystal glass) 4/4004 . (For glass orderorated in said glass) 4/4004 . (For organism) or including particular isotopes) 4/4004 . (For organism) organism organ	3/32		8/20	
3.323 (Chalcogenide glasses, e.g. containing S, Se. Te) 3.325 (containing halogen, e.g. chalcohalide glasses) 3.326 (containing halogen, e.g. chalcohalide glasses) 3.327 (containing halogen, e.g. chalcohalide glasses) 3.328 (kiride glasses) 4.000 Compositions for glass with special properties NOTE When classifying in group C03C 400, classification is also made in the appropriate groups of group C03C 400, classification is also made in the appropriate groups of group C03C 400 according to the glass composition. 4.0007 . {for biologically-compatible glass} 4.0014 . {Biodegradable glass} 4.0021 . {for destall glass, e.g. lead-free crystal glass} 4.0028 . {for crystal glass, e.g. lead-free crystal glass} 4.0035 . {for solbel glass for controlled release of a compound incorporated in said glass} 4.0040 . {for oldering glass} 4.005 . {for plass comprising or including particular isotopes} 4.0064 . {for oldersancting glass (C03C 4.0014 takes precedence) 4.0077 . {for laterable glass} 4.0078 . {for glass comprising or including particular isotopes} 4.0085 . {for Utrasonic delay lines glass} 4.0096 . {for glass comprising or including particular isotopes} 4.0097 . {for siler-tailing glass} 4.0098 . {for plass with improved high visible transmittance, e.g. extra-clear glass} 4.0098 . {for Glass robotropic or photochromic glass} 4.0098 . {for for litra-roid absorbing glass} 4.0087 . {for infra-red absorbing glass} 4.0088 {for infra-red absorbing glass} 4.0089 {for infra-red dasorbing glass} 4.0080 . {for for hotocastive glass 4.0090 . {for for infra-red dasorbing glass} 4.0091 . {for for infra-red dasorbing glass} 4.0092 . {for for infra-red dasorbing glass} 4.0093 . {for infra-red dasorbing glass} 4.0094 . {for infra-red dasorbing glass} 4.0095 . {for infra-red dasorbing glass} 4.0096 . {for infra-red dasorbing glass} 4.0097 . {for directing transmitting glass} 4.0098 . {for olderetric glass 4.0099 . {for olderetric glass 4.0099 . {for olderetric glass 4.0099 . {for olderetric glass				
3325 (containing halogen, e.g. chalcohalide glasses) 3326 (containing beryllium) 3328 (Niride glasses) 3326 (Niride glasses) 400 Compositions for glass with special properties When classifying in group C03C 4400, classification is also made in the appropriate groups of group C03C 3200 according to the glass composition. 40007 (for biologically-compatible glass) 40001 . (Biodegradable glass) 40002 . (for denal use) 40003 . (for orystal glass, e.g. lead-free crystal glass) 40003 . (for or glass with special properties glass) 40004 . (For glass composition as ad glass) 40005 . (for opaline glass) 40006 . (for opaline glass) 40007 . (for spass openated in said glass) 40008 . (for spass openated in said glass) 40009 . (for opaline glass) 40000 . (for opaline glass) 40001 . (for opaline glass) 40002 . (for opaline glass) 40003 . (for opaline glass) 40004 . (for opaline glass) 40005 . (for opaline glass) 40006 . (for opaline glass) 40007 . (for opaline glass) 40008 . (for opaline glass) 40009 . (for opaline glass) 40009 . (for glass orthin proved high visible transmittance, e.g. extra-clear glass) 40000 . (for glass orthin proved high visible transmittance, e.g. extra-clear glass) 40000 . (for infra-red absorbing glass) 40000 . (for ulminescent glass) 40000 . (for ulminescent glass) 40000 . (for ulminescent glass) 40000 . (for opaline glass) 40000 . (for infra-red absorbing glass) 40000 . (for ulminescent glass) 40000 . (for opaline glass) 40000 . (for glass with numproved high visible transmittance, e.g. extra-clear glass) 40000 . (for glass with interplated properties and properties glass) 40000 . (for ulminescent glass) 40000 . (for ulminescent glass) 40000 . (for ulminescent glass) 40000 . (for opaline glass) 40000 . (for	2/221		8/22	
Available Avai				-
Source Compositions for glass with special properties			8/24	
Compositions for glass with special properties Season				
Af00 Compositions for glass with special properties NOTE When classifying in group C03C 4.00, classification is also made in the appropriate groups of group C03C 4.00 according to the glass composition. 4.0007 . {for biologically-compatible glass} 4.0014 . {Biodegradable glass} 4.0021 {for dental use} 4.0028 . {for crystal glass, e.g. lead-free crystal glass} 4.0021 {for fental use} 4.0035 . {for solible glass for controlled release of a compound incorporated in said glass} 4.00404 . {for solible glass for controlled release of a compound incorporated in said glass} 4.0057 . {for orlaring class and constituents} 4.0068 . {for organic glass} 4.0078 . {for organic glass} 4.0079 . {for glass organic glass} 4.0080 {for glass organic glass} 4.0080 {for glass organic glass} 4.0080 {for glass organic glass} 4.0098 {for glass organic glass} 4.0098 {for infra-red absorbing glass} 4.0099 {f	3/326	• • {containing beryllium}		
NOTE When classifying in group C03C 400, classification is also made in the appropriate groups of group C03C 3.00 according to the glass composition 10000 (containing silo, al.)c), and monovalent metal oxide as main constituents) 100018 (containing silo, al.)c), and monovalent metal oxide as main constituents) 100028 (containing silo, al.)c), and monovalent metal oxide as main constituents) 100028 (for crystal glass, e.g. lead-free crystal glass) 100035 (for crystal glass, e.g. lead-free crystal glass) 100036 (containing silo, al.)c), and monovalent metal oxide as main constituents) 100045 (for soluble glass for controlled release of a compound incorporated in said glass) 100045 (for solutining silo, al.)c), and monovalent metal oxide as main constituents) 100045 (for glass comprising or including particular isotopes) 100045 (for opaline glass) 10005 (for opaline glass) 100061 (for opaline glass)	3/328	• • {Nitride glasses}		
When classifying in group C03C 4.00. classification is also made in the appropriate groups of group (C03C 3.00) according to the glass composition. 4.0007 . {for biologically-compatible glass} 4.0014 (Biodegradable glass) 4.0021 {for dental use} 4.0028 . {for cystal glass, e.g. lead-free crystal glass} 4.0035 . {for soluble glass for controlled release of a compound incorporated in said glass} 4.0042 . {for soluble glass for controlled release of a compound incorporated in said glass} 4.0055 . {for olurasonic delay lines glass} 4.0064 . {for self-destructing glass (C03C 4.0014 takes precedence)} 4.0077 . {for lutrasonic delay lines glass} 4.0085 . {for IV-transmitting glass} 4.0087 . {for coloured glass 4.0088 . {for glass sin improved high visible transmittance, e.g. extra-clear glass} 4.0088 . {for glass sin improved high visible transmittance, e.g. extra-clear glass 4.0089 . {for glass solution glass 4.0080 . {for infra-red absorbing glass} 4.0080 . {for infra-red absorbing glass} 4.0081 . {for for coloured glass 4.0082 . {for infra-red absorbing glass} 4.0083 . {for infra-red absorbing glass} 4.0084 . {for rederic rederic glass 4.0085 . {for infra-red absorbing glass} 4.0097 . {for infra-red absorbing glass} 4.0098 . {for glass sin for minume glass 4.0099 . {for infra-red absorbing glass} 4.0090 . {for infra-red absorbing glass} 4.0081 . {for infra-red absorbing glass} 4.0082 . {for infra-red absorbing glass} 4.0083 . {for olurna-violet absorbing glass} 4.0084 . {for for coloured glass 4.0085 . {for infra-red absorbing glass} 4.0086 . {for infra-red absorbing glass} 4.0087 . {for infra-red absorbing glass} 4.0088 . {for coloured glass 4.0099 . {for infra-red absorbing glass} 4.0099 . {for infra-red absorbing glass} 4.0090 . {for oloured glass 4.0090 . {for infra-red absorbing glass} 4.0090 . {for infra-red absorbing glass} 4.0090 . {for	4/00	C	8/245	• • {containing more than 50% lead oxide, by
When classifying in group C03C 4400. classification is also made in the appropriate groups of group C03C 300 according to the glass composition. 40007 . {for biologically-compatible glass} 40014 . {Biodegradable glass} 40028 . {for soluble glass for controlled release of a compound incorporated in said glass} 40035 . {for soluble glass for controlled release of a compound incorporated in said glass} 400402 . {for soluble glass for controlled release of a compound incorporated in said glass} 4005 . {for ordaning S102, Al ₂ O ₃ and MgO as main constituents} 4006 . {for self-destructing glass (C03C 40014 takes precedence)} 40071 . {for laserable glass} 40085 . {for Coloured glass 4008 . {for glass for dosimeters} 4008 . {for glass selectively absorbing glass} 4009 . {for glass selectively absorbing glass} 4008 . {for glass selectively absorbing glass} 4008 . {for for lare-role transmitting glass 4008 . {for infra-red dasorbing glass} 4009 . {for infra-red transmitting glass 4008 . {for infra-red transmitting glass 4008 . {for infra-red transmitting glass 4009 . {for infra-red transmittin	4/00	Compositions for glass with special properties		weight}
When classifying in group CO3C 4.00. classification is also made in the appropriate groups of group CO3C 3.00 according to the glass composition. 10/0007 (for biologically-compatible glass) 4/0017 (for dental use) 4/0028 (for crystal glass, e.g. lead-free crystal glass) 4/0021 (for soluble glass for controlled release of a compound incorporated in said glass) 4/0021 (for glass comprising or including particular isotopes) 4/0035 (for glass comprising or including particular isotopes) 4/00404 (for glass comprising or including particular isotopes) 4/0051 (for ultra-voice delay lines glass) 4/0064 (for self-destructing glass (CO3C 4/0014 takes proceedence)) 4/0071 (for glass with improved high visible transmittance, e.g. e.g. extra-clear glass) 4/0082 (for glass swith improved high visible transmittance, e.g. e.g. extra-clear glass) 4/0083 (for coloured glass 4/0084 (for for coloured glass 4/0085 (for for coloured glass 4/0086 (for for dear-th-alide free photochromic glass) 4/087 (for for dear-th-alide free photochromic glass) 4/088 (for glass selectively absorbing glass) 4/089 (for for huminescent glass; for fluorescent glass 4/080 (for for infra-red dasorbing glass) 4/081 (for for infra-red transmitting glass 4/082 (for for coloured glass 4/083 (for for coloured glass 4/084 (for for coloured glass 4/085 (for for coloured glass 4/086 (for for flare-th-alide free photochromic glass) 4/087 (for for flare-th-alide free photochromic glass) 4/088 (for flare-th-alide free photochromic glass) 4/089 (for flare-th-alide free photochromic glass) 4/080 (for for flare-transmitting glass) 4/081 (for for flare-transmitting glass) 4/082 (for for infra-red transmitting glass) 4/083 (for flare-th-alide free photochromic glass) 4/084 (for for infra-red transmitting glass) 4/085 (for for infra-red transmitting glass) 4/086 (for franses coloutive glass 4/087 (for huminescent glass; for fluorescent glass; for fluorescent glass; for fluorescent glass; for fluoresc		NOTE	10/00	Desitrified along agramics is a glong agramica
classification is also made in the appropriate groups of group C03C 300 according to the glass composition. 100009 (containing silica as main constituent) (containing silica as main constituent) 100014 (For biologically-compatible glass) 100015 100015 (For biologically-compatible glass) 100016 100017 (For biologically-compatible glass) 100017 100018 (For crystal glass, e.g. lead-free crystal glass) 100027 100018 (For crystal glass, e.g. lead-free crystal glass) 100036 100018 (For crystal glass, e.g. lead-free crystal glass) 100036 100018 (For glass comprising or including particular isotopes) 100045 100019 (For glass comprising or including particular isotopes) 100054 100019 (For glass comprising or including particular isotopes) 100054 100019 (For olianing glass) 1000072 100019 (For olianing glass) 1000072 100019 (For olianing glass) 1000072 100019 (For glass comprising or including particular isotopes) 1000072 100019 (For olianing glass) 1000072 100019 (For glass for dosimeters) 1000072 100019 (For glass for dosimeters) 1000072 100019 (For glass for dosimeters) 1000072 100019 (For glass with improved high visible transmittance, e.g. extra-clear glass) 11000 100019 (For glass with improved high visible transmittance, e.g. extra-clear glass) 11000 100019 (For glass with improved high visible transmittance, e.g. extra-clear glass) 11000 100019 (For glass with improved high visible transmittance, e.g. extra-clear glass) 11000 100019 (For glass with improved high visible transmittance, e.g. extra-clear glass) 11000 100019 (For glass with improved high visible transmittance, e.g. extra-clear		When elegifying in group CO2C 4/00	10/00	
the total composition 10,0009				
4/0007 - {for biologically-compatible glass} 4/0001 - {for biologically-compatible glass} 4/0014 - {Biologically-compatible glass} 4/0015 - {for dector controlled release of a compound incorporated in said glass} 4/0028 - {for crystal glass, e.g. lead-free crystal glass} 4/0029 - {for soluble glass for controlled release of a compound incorporated in said glass} 4/0040 - {for opaline glass} 4/005 - {for opaline glass} 4/005 - {for opaline glass} 4/006 - {for self-destructing glass (C03C 4/0014 takes precedence)} 4/007 - {for self-destructing glass (C03C 4/0014 takes precedence)} 4/007 - {for glass comprising or including particular isotopes} 4/008 - {for self-destructing glass (C03C 4/0014 takes precedence)} 4/009 - {for glass for dosimeters} 4/008 - {for glass for dosimeters} 4/008 - {for glass for dosimeters} 4/008 - {for coloured glass} 4/009 - {for coloured glass} 4/009 - {for coloured glass} 4/000 - {for for infra-red absorbing glass} 4/00 - {for fire-red absorbing glass} 4/005 {for infra-red absorbing glass} 4/006 - {for fire-red absorbing glass} 4/007 - {for infra-red absorbing glass} 4/008 - {for infra-red absorbing glass} 4/009 - {for infra-red infra-red infrase glass} 4/009 - {for infra-red infrase glass} 4/009 -				
4/0007 . {for biologically-compatible glass} 4/0014 {Biodegradable glass} 4/0014 {Biodegradable glass} 4/0014 {Biodegradable glass} 4/0015 . {for dental use} 4/0028 . {for crystal glass, e.g. lead-free crystal glass} 4/0029 . {for soluble glass for controlled release of a compound incorporated in said glass} 4/0042 . {for glass comprising or including particular isotopes} 4/005 . {for opaline glass} 4/006 . {for self-destructing glass (C03C 4/0014 takes precedence)} 4/007 . {for slass for dosimeters} 4/007 . {for glass for dosimeters} 4/008 . {for glass for dosimeters} 4/008 . {for glass for dosimeters} 4/009 . {for glass for dosimeters} 4/009 . {for glass schild improved high visible transmittance, e.g. extra-clear glass} 4/009 {for glass schild free photochromic glass} 4/006 {for silver-halide free photochromic glass} 4/06 {for infra-red absorbing glass} 4/08 {for transportiting glass} 4/08 . {for glass velictively absorbing radiation of specified wave lengths} 4/08 . {for infra-red absorbing glass} 4/08 . {for infra-red transmitting glass} 4/08 . {for infra-red absorbing glass} 4/08 . {for infra-red transmitting glass} 4/09 . {for clectro-conductive glass} 4/10 . {for infra-red transmitting glass} 4/10 . {for infra-red transmitting glass} 4/10 . {for infra-red infra-red transmitting glass} 4/10 . {for infra-red infra-red transmitting glass} 4/10 . {for infra-red transmitting glass} 4/10 . {for infra-red infra-red transmitting glass} 4/10 . {for infra-red infra-red transmitting glass} 4/10 . {for infra-red			10/0000	
4/0001 - {for biologically-compatible glass} 4/0012 {for dental use} 4/0021 {for dental use} 4/0022 {for dental use} 4/0028 - {for crystal glass, e.g. lead-free crystal glass} 4/0028 - {for soluble glass for controlled release of a compound incorporated in said glass} 4/0032 - {for soluble glass for controlled release of a compound incorporated in said glass} 4/0042 - {for opaline glass} 4/005 - {for opaline glass} 4/005 - {for opaline glass} 4/006 - {for opaline glass} 4/006 - {for opaline glass} 4/006 - {for opaline glass} 4/007 - {for intrasonic delay lines glass} 4/008 - {for opaline glass} 4/009 - {for glass controlled release of a compound incorporated in said glass} 4/009 - {for opaline glass} 4/009 - {for opaline glass} 4/009 - {for opaline glass} 4/0001 - {for glass controlled release of a compound incorporated in said glass} 4/0002 - {for opaline glass} 4/0003 - {for opaline glass} 4/0004 - {for glass controlled release of a compound incorporated in said glass} 4/007 - {for glass controlled release of a compound incorporated in said glass} 4/008 - {for glass soft controlled release of a compound incorporated in said glass} 4/009 - {for glass controlled release of a compound incorporated in said glass} 4/009 - {for glass controlled glass} 4/0001 - {for infra-red absorbing glass} 4/0002 - {for photocropic or photochromic glass} 4/0003 - {for infra-red absorbing glass} 4/0004 - {for infra-red absorbing glass} 4/0005 - {for oltra-violet absorbing glass} 4/0006 - {for infra-red absorbing glass} 4/0007 - {for infra-red absorbing glass} 4/0008 - {for oltra-violet absorbing glass} 4/0009 - {for infra-red absorbing glass} 4/0009 - {for infra-red absorbing glass} 4/0009 - {for infra-red absorbing glass} 4/0009 - {for oltra-violet absorbing glass} 4/0009 - {for infra-red absorbing gla		composition.		
4/0021 . {Biodegradable glass} 10/0027 . {Containing SiO ₂ , Al ₂ O ₃ and a divalent metal oxide as main constituents} . {Containing SiO ₂ , Al ₂ O ₃ and a divalent metal oxide as main constituents} . {Containing SiO ₂ , Al ₂ O ₃ and a divalent metal oxide as main constituents} . {Containing SiO ₂ , Al ₂ O ₃ and a divalent metal oxide as main constituents} . {Containing SiO ₂ , Al ₂ O ₃ and a divalent metal oxide as main constituents} . {Containing SiO ₂ , Al ₂ O ₃ and a divalent metal oxide as main constituents} . {Containing SiO ₂ , Al ₂ O ₃ and a divalent metal oxide as main constituents} . {Containing SiO ₂ , Al ₂ O ₃ and MgO as main constituents} . {Containing SiO ₂ , Al ₂ O ₃ and MgO as main constituents} . {Containing PbO, SnO ₂ , B ₂ O ₃ } . {Containing PbO, SnO ₂ , B ₂ O ₃ } . {Containing PbO, SnO ₂ , B ₂ O ₃ } . {Containing PbO, SnO ₂ , B ₂ O ₃ } . {Containing PbO, SnO ₂ , B ₂ O ₃ } . {Containing PbO, SnO ₂ , B ₂ O ₃ } . {Containing PbO, SnO ₂ , B ₂ O ₃ } . {Containing PbO, SnO ₂ , B ₂ O ₃ } . {Containing PbO, SnO ₂ , B ₂ O ₃ } . {Containing PbO, SnO ₂ , B ₂ O ₃ } . {Containing PbO, SnO ₂ , B ₂ O ₃ } . {Containing PbO, SnO ₂ , B ₂ O ₃ } . {Containing PbO, SnO ₂ , B ₂ O ₃ } . {Containing PbO, SnO ₂ , B ₂ O ₃ } . {Containing PbO, SnO ₂ , B ₂ O ₃ } . {Containing SiO ₂ , Al ₂ O ₃ and a divalent metal oxide as main constituents} . {Containing SiO ₂ , Al ₂ O ₃ and a divalent metal oxide as main constituents} . {Containing SiO ₂ , Al ₂ O ₃ and a divalent metal oxide as main constituents} . {Containing SiO ₂ , Al ₂ O ₃ and a divalent metal oxide as main constituents} . {Containing SiO ₂ , Al ₂ O ₃ and a divalent metal oxide as main constituents} . {Containing SiO ₂ , Al ₂ O ₃ and a divalent metal oxide as main constituents} . {Containing SiO ₂ , Al ₂ O ₃ and a divalent metal oxide as main constituents . {Containing SiO ₂ , Al ₂ O ₃ and a divalent metal oxide as main constituents . {Containing SiO ₂ , Al ₂ O ₃ and a divalent	4/0007	• {for biologically-compatible glass}	10/0018	
4/0021				
4/0028 . (for crystal glass, e.g. lead-free crystal glass) 4/0035 . (for soluble glass for controlled release of a compound incorporated in said glass) 4/0042 . (for glass comprising or including particular isotopes) 4/005 . (for opaline glass) 4/0057 . (for opaline glass) 4/0064 . (for self-destructing glass) 4/0065 . (for self-destructing glass) 4/0067 . (for lutrasonic delay lines glass) 4/0071 . (for laserable glass) 4/0072 . (for glass for dosimeters) 4/0073 . (for glass for dosimeters) 4/0074 . (for glass for dosimeters) 4/0075 . (for glass with improved high visible transmittance, e.g. extra-clear glass) 4/0085 . (for coloured glass 4/009 . (for self-destructing glass) 4/009 . (for glass with improved high visible transmittance, e.g. extra-clear glass) 4/065 (for ultra-violet absorbing glass) 4/087 . (for infra-red dasorbing glass) 4/088 (for ultra-violet absorbing glass) 4/080 (for infra-red transmitting glass) 4/080 (for infra-red transmitting glass) 4/080 (for infra-red ransmitting glass) 4/080 (for infra-red ransmitting glass) 4/080 (for infra-red infra-red transmitting glass) 4/080 (for infra-red infra-red transmitting glass) 4/080 (for infra-red glass) 4/080 (for infra-red infra-red transmitting glass) 4/080 . (for infra-red infra-re			10/0027	
4/0035 . (for soluble glass for controlled release of a compound incorporated in said glass) 4/0042 . (for glass comprising or including particular isotopes) 4/005 . (for opaline glass) 4/005 . (for opaline glass) 4/0064 . (for self-destructing glass (CO3C 4/0014 takes precedence)) 4/0070 . (for ordine glass) 4/0071 . (for laserable glass) 4/0071 . (for laserable glass) 4/0072 . (for laserable glass) 4/0073 . (for glass for dosimeters) 4/0073 . (for glass for dosimeters) 4/0085 . (for UV-transmitting glass) 4/0092 . (for glass with improved high visible transmittance, e.g. extra-clear glass) 4/008 . (for plass with improved high visible transmittance, e.g. extra-clear glass) 4/008 . (for glass electively absorbing radiation of specified wave lengths 4/08 . (for ultra-violet absorbing glass) 4/08 . (for ultra-violet absorbing glass) 4/087 . (for X-rays absorbing glass) 4/087 . (for infra-red transmitting glass) 4/10 . for plansecent glass; for fluorescent glass 4/12 . for luminescent glass; for fluorescent glass 4/14 . (for infra-red ransmitting glass) 4/16 . for dielectric glass 4/17 . (for infra-red insmitting glass) 4/18 . (for infra-red insmitting glass) 4/19 . (for infra-red insmitting glass) 4/10 . (for infra-red insmitting glass) 4/11 . (for electro-conductive glass 4/12 . (for infra-red insmitting glass) 4/14 . (for electro-conductive glass 4/15 . (for infra-red insmitting glass) 4/16 . (for dielectric glass 4/17 . (for chemical resistant glass 4/18 . (for chemical resistant glass 4/19 . (for chemical resistant glass 4/10 . (for chemical resistant glass 4/11 . (for electro-conductive glass 4/12 . (for infra-red transmitting glass 4/14 . (for electro-conductive glass 4/15 . (for chemical resistant glass 4/16 . (for chemical resistant glass 4/17 . (for chemical resistant glass 4/18 . (for one-chemical resistant glass 4/19 . (for chemical resistant glass 4/10 .				
compound incorporated in said glass} 4/002			10/0036	• {containing SiO ₂ , Al ₂ O ₃ and a divalent metal oxide
	4/0033			as main constituents}
Southers 10/0054 Containing PbO, SnO ₂ , B ₂ O ₃ 4/0057 (for opaline glass 10/0063 (containing waste materials, e.g. slags 10/0063 (for self-destructing glass (CO3C 4/0014 takes precedence)) 10/0081 (having a ferro-electric crystal phase 10/0072 (having a superconducting crystal phase 10/0078 (for laserable glass 10/0078 (for glass for dosimeters 10/16 Halogen containing crystalline phase 4/0078 (for glass with improved high visible transmittance, e.g. extra-clear glass 11/00 Multi-cellular glass; (Porous or hollow glass or glass particles) (obtained by leaching after a phase separation step glass 11/007 (For photosensitive glass 11/007 (For allow glass particles) (obtained by leaching after a phase separation step glass 11/007 (For glass selectively absorbing glass 11/007 (For infra-red absorbing glass 12/02 Powdered glass (CO3C 8/02 takes precedence); Beat compositions (For infra-red transmitting glass 13/001 (Alkali-resistant fibres) (For ilments CO3B 37/00) (For chemical resistant glass 13/005 (For dialine price) (For infra-red transmitting glass 13/005 (For dialine) (For diali	4/00/42		10/0045	• • {containing SiO ₂ , Al ₂ O ₃ and MgO as main
4/005 . {for opaline glass} 4/0057 . {for ultrasonic delay lines glass} 4/0064 . {for ultrasonic delay lines glass} 4/0065 . {for ultrasonic delay lines glass} 4/0066 . {for self-destructing glass (C03C 4/0014 takes precedence)} 4/0071 . {for laserable glass} 4/0078 . {for glass for dosimeters} 4/0085 . {for UV-transmitting glass} 4/0085 . {for UV-transmitting glass} 4/009 . {for glass with improved high visible transmittance, e.g. extra-clear glass} 4/00 . for photoropic or photochromic glass 4/00 for photoropic or photochromic glass 4/00 {for silver-halide free photochromic glass} 4/00 {for silver-halide free photochromic glass} 4/00 {for infra-red absorbing glass} 4/00 {for infra-red absorbing glass} 4/00 {for infra-red absorbing glass} 4/00 {for infra-red transmitting glass} 4/10 . for infra-red transmitting glass 4/10 . for electro-conductive glass 4/10 . for electro-conductive glass 4/10 . for dielectric glass	4/0042	, , , , , , , , , , , , , , , , , , , ,		constituents}
4/005 - {for ultrasonic delay lines glass} 4/005 - {for ultrasonic delay lines glass} 4/0064 - {for ultrasonic delay lines glass} 4/0065 - {for ultrasonic delay lines glass} 4/0071 - {for laserable glass (C03C 4/0014 takes precedence)} 4/0071 - {for laserable glass} 4/0078 - {for glass for dosimeters} 4/0078 - {for glass for dosimeters} 4/0085 - {for Ul-transmitting glass} 4/0092 - {for glass with improved high visible transmittance, e.g. extra-clear glass} 4/02 - {for coloured glass} 4/04 - {for phototropic or photochromic glass} 4/05 {for phototropic or photochromic glass} 4/06 {for phototropic or photochromic glass} 4/08 - {for glass selectively absorbing radiation of specified wave lengths 4/082 {for infra-red absorbing glass} 4/085 {for infra-red absorbing glass} 4/087 {for x-rays absorbing glass} 4/087 {for rays absorbing glass} 4/087 {for ultra-violet absorbing glass} 4/108 - {for infra-red transmitting glass} 4/109 - {for infra-red transmitting glass} 4/100 - {for infra-red transmitting glass} 4/101 - {for infra-red transmitting glass} 4/102 - {for conductive glass} 4/103 - {for chemical resistant glass} 4/104 - {for chemical resistant glass} 4/105 - {for diectric glass} 4/106 - {for diectric glass} 4/107 - {for diectric glass} 4/108 - {for chemical resistant glass} 4/109 - {for infra-red transmitting glass} 4/109 - {for infra-red transmitting glass} 4/100 - {for infra-red transmit	4/005		10/0054	• {containing PbO, SnO ₂ , B ₂ O ₃ }
4/0064 - {for self-destructing glass (CO3C 4/0014 takes precedence)} 4/0071 - {for laserable glass} 4/0073 - {for laserable glass} 4/0074 - {for glass for dosimeters} 4/0075 - {for glass for dosimeters} 4/0075 - {for glass for dosimeters} 4/0085 - {for glass with improved high visible transmittance, e.g. extra-clear glass} 4/002 - {for coloured glass} 4/02 - for coloured glass 4/06 - for photosensitive glass 4/06 {for silver-halide free photochromic glass} 4/08 - {for glass selectively absorbing radiation of specified wave lengths 4/082 {for ultra-violet absorbing glass} 4/083 {for ultra-violet absorbing glass} 4/084 {for infra-red arsmitting glass} 4/085 {for infra-red arsmitting glass} 4/086 {for infra-red arsmitting glass} 4/087 {for infra-red arsmitting glass} 4/088 {for infra-red transmitting glass} 4/089 {for infra-red transmitting glass} 4/100 - for infra-red transmitting glass} 4/101 - for infra-red transmitting glass 4/102 - for luminescent glass; for fluorescent glass 4/103 - {for delectric crystal phase} 4/104 - for electro-conductive glass 4/105 - {for dilectric glass} 4/106 - for dilectric glass 4/107 - {for infra-red transmitting glass} 4/108 - {for infra-red transmitting glass} 4/109 - {for infra-red transmitting glass} 4/100 - {for infra-red transmitting glass} 4/100 - {for infra-red transmitting glass} 4/101 - {for infra-red transmitting glass} 4/102 - {for luminescent glass; for fluorescent glass} 4/103 - {for delectric cit glass} 4/104 - {for delectric glass} 4/105 - {for delectric glass} 4/106 - {for dilectric glass} 4/107 - {for infra-red transmitting glass} 4/108 - {for delectric glass} 4/109 - {for infra-red transmitting glass} 4/100 - {for infra-red trans			10/0063	
4/0071 . {for laserable glass} 4/0078 . {for glass for dosimeters} 4/0085 . {for glass for dosimeters} 4/0085 . {for UV-transmitting glass} 4/0092 . {for glass with improved high visible transmittance, e.g. extra-clear glass} 4/04 . for photosensitive glass 4/06 . for phototropic or photochromic glass 4/06 (for silver-halide free photochromic glass) 4/08 . (for glass selectively absorbing glass) 4/08 . (for infra-red transmitting glass) 4/08 . (for infra-red transmitting glass) 4/08 . (for infra-red transmitting glass) 4/08 . (for infra-red dasorbing glass) 4/08 . (for infra-red transmitting glass) 4/08 . (for infra-red transmitting glass) 4/10 . (for infra-red transmitting glass) 4/10 . (for infra-red transmitting glass) 4/11 . (for delectro-conductive glass) 4/12 . (for infra-red transmitting glass) 4/13 . (for infra-red transmitting glass) 4/14 . (for electro-conductive glass) 4/15 . (for chemical resistant glass) 4/16 . (for chemical resistant glass) 4/18 . (for infra-red transmitting glass) 4/19 . (for chemical resistant glass) 4/10 . (for chemical resistant				
4/0071 . {for laserable glass} 4/0078 . {for glass for dosimeters} 4/0085 . {for UV-transmitting glass} 4/0085 . {for UV-transmitting glass} 4/0090 . {for glass with improved high visible transmittance, e.g. extra-clear glass} 4/00 . {for glass with improved high visible transmittance, e.g. extra-clear glass} 4/02 . {for photosensitive glass 4/04 . for photosensitive glass 4/05 {for phototropic or photochromic glass 4/06 {for silver-halide free photochromic glass} 4/08 . for glass selectively absorbing radiation of specified wave lengths 4/082 {for infra-red absorbing glass} 4/085 {for intra-red absorbing glass} 4/087 {for X-rays absorbing glass} 4/10 . for infra-red transmitting glass 4/10 . for infra-red transmitting glass 4/10 . for infra-red transmitting glass 4/11 . for leettro-conductive glass 4/12 . for luminescent glass; for fluorescent glass 4/13 . for oin-sensitive glass 4/14 . for electro-conductive glass 4/15 . for chemical resistant glass 4/16 . for chemical resistant glass 4/18 . for ion-sensitive glass 4/19 . For chemical resistant glass 4/10 . for chemical resistant glass 4/11 . for electro-conductive glass 4/12 . for luminescent glass; for fluorescent glass 4/13 . for ion-sensitive glass 4/14 . for electro-conductive glass 4/15 . for chemical resistant glass 4/16 . for chemical resistant glass 4/17 . for chemical resistant glass 4/18 . for ion-sensitive glass 4/19 . for chemical resistant glass 4/10 . for ch	4/0064			
4/0071 • [till last able glass] 4/0078 • [for glass for dosimeters] 4/0085 • [for UV-transmitting glass] 4/0092 • [for glass with improved high visible transmittance, e.g. extra-clear glass] 4/002 • [for coloured glass] 4/02 • [for coloured glass] 4/04 • [for phototropic or photochromic glass] 4/06 • [for phototropic or photochromic glass] 4/06 • [for glass selectively absorbing radiation of specified wave lengths 4/08 • [for infra-red absorbing glass] 4/08 • [for ultra-violet absorbing glass] 4/10 • [for infra-red transmitting glass] 4/10 • [for infra-red transmitting glass] 4/11 • [for luminescent glass; for fluorescent glass] 4/12 • [for luminescent glass] 4/13 • [for ion-sensitive glass] 4/14 • [for clectro-conductive glass] 4/15 • [for ion-sensitive glass] 4/16 • [for chemical resistant glass] 4/17 • [for chemical resistant glass] 4/18 • [for ion-sensitive glass] 4/19 • [for chemical resistant glass] 4/10 • [for chemical resistant glass] 4/11 • [for chemical resistant glass] 4/12 • [for chemical resistant glass] 4/13 • [for chemical resistant glass] 4/14 • [for chemical resistant glass] 4/15 • [for chemical resistant glass] 4/16 • [for chemical resistant glass] 4/17 • [for chemical resistant glass] 4/18 • [for ion-sensitive glass] 4/19 • [for chemical resistant glass] 4/10 • [for chemical resistant glass] 4/11 • [for chemical resistant glass] 4/12 • [for chemical resistant glass] 4/13 • [for chemical resistant glass] 4/14 • [for chemical resistant glass] 4/15 • [for chemical resistant glass] 4/16 • [for chemical resistant glass] 4/17 • [for chemical resistant glass] 4/18 • [for chemical resistant glass] 4/19 • [for chemical resistant glass] 4/10 • [for chemical resistant glass] 4/11 • [for chemical resistant glass] 4/11 • [for chemic		precedence)}		
4/0085 . {for UV-transmitting glass} 4/0092 . {for glass with improved high visible transmittance, e.g. extra-clear glass} 4/02 . for coloured glass 4/04 . for photosensitive glass 4/06 for phototropic or photochromic glass 4/06 {for phototropic or photochromic glass} 4/08 {for glass selectively absorbing radiation of specified wave lengths 4/08 {for ultra-violet absorbing glass} 4/08 {for infra-red absorbing glass} 4/09 {for infra-red absorbing glass} 4/09 {for infra-red absorbing glass} 4/10 {for infra-red transmitting glass 4/10 {for infra-red transmitting glass 4/10 {for infra-red transmitting glass 4/11 for electro-conductive glass 4/12 for dielectric glass 4/14 for chemical resistant glass 4/15 for dielectric glass 4/16 for dielectric glass 4/17 for chemical resistant glass 4/18 for ion-sensitive glass 4/20 for chemical resistant glass 8/20 Enamels; Glazes (cold glazes for ceramics {CO48 41/48}); Fusion seal compositions being frit compositions playing pon-frit additions 4/20 . Fibre optics, e.g. core and clad fibre compositions 4/20 . Fibre optics, e.g. core and clad fibre compositions	4/0071	• {for laserable glass}		
4/002 • {for glass with improved high visible transmittance, e.g. extra-clear glass}	4/0078	• {for glass for dosimeters}	10/16	Halogen containing crystalline phase
4/0092 . {for glass with improved high visible transmittance, e.g. extra-clear glass} 11/002 . {Hollow glass particles} 4/02 . for coloured glass 11/005 . {obtained by leaching after a phase separation step 11/007 . {Foam glass, e.g. obtained by incorporating a blowing agent and heating} 11/005 {for photocropic or photochromic glass 4/06 {for silver-halide free photochromic glass} 4/08 {for glass selectively absorbing radiation of specified wave lengths 12/00 Powdered glass (C03C 8/02 takes precedence); Beac compositions 4/082 . {for ultra-violet absorbing glass} 12/02 . {effor ultra-violet absorbing glass} 13/00 Fibre or filament compositions (manufacture of fibres or filaments C03B 37/00) . {Alkali-resistant fibres} 4/12 . for luminescent glass; for fluorescent glass 13/002 . {containing zirconium} 4/14 . for electro-conductive glass 13/003 . {Conducting or semi-conducting fibres} 13/005 . {obtained by leaching of a soluble phase and consolidation} . {Glass-ceramics fibres} 13/005 . {obtained py leaching of a soluble phase and consolidation} . {Glass-ceramics fibres} 13/007 . {containing zirconium} {Glass-ceramics fibres} {Glazes (cold glazes for ceramics (C04B 41/48)); Fusion seal compositions being frit compositions having non-frit additions 13/004 . {Fibre optics, e.g. core and clad fibre compositions	4/0085	• {for UV-transmitting glass}	11/00	Multi-cellular glass: {Porous or hollow glass or
e.g. extra-clear glass} 4/02	4/0092	• {for glass with improved high visible transmittance,	, ,	9 , ,
4/02 . for coloured glass 4/04 . for photosensitive glass 4/06 for phototropic or photochromic glass 4/06 {for phototropic or photochromic glass} 4/06 {for silver-halide free photochromic glass} 4/08 {for silver-halide free photochromic glass} 4/08 {for glass selectively absorbing radiation of specified wave lengths 4/082 {for infra-red absorbing glass} 4/085 {for ultra-violet absorbing glass} 4/087 {for X-rays absorbing glass} 4/10 . for infra-red transmitting glass 4/11 . for electro-conductive glass 4/12 . for iluminescent glass; for fluorescent glass 4/14 . for electro-conductive glass 4/15 . for dielectric glass 4/16 . for dielectric glass 4/17 . for chemical resistant glass 4/18 . for ion-sensitive glass 4/20 . for chemical resistant glass 4/20 . for chemical presistant glass 4/20 . for chemical resistant glass 4/20 . for chemical resistant glass 4/20 . for chemical resistant glass 4/20 . for chemical presistant glass 4/20 . for chemical presistant glass 4/20 . for chemical resistant glass 4/20 . for chemical resistant glass 4/20 . for chemical presistant			11/002	
4/04 • for photosensitive glass 4/06 • . for phototropic or photochromic glass 4/06 • . for phototropic or photochromic glass 4/06 • . for glass relectively absorbing radiation of specified wave lengths 4/08 • . for infra-red absorbing glass} 4/082 • . {for infra-red absorbing glass} 4/085 • . {for ultra-violet absorbing glass} 4/087 • . {for x-rays absorbing glass} 4/10 • for infra-red transmitting glass 4/12 • for luminescent glass; for fluorescent glass 4/14 • for electro-conductive glass 4/16 • for dielectric glass 4/16 • for dielectric glass 4/18 • for ion-sensitive glass 4/20 • for chemical resistant glass 8/00 • Enamels; Glazes (cold glazes for ceramics {C04B 41/48}); Fusion seal compositions being frit compositions being frit goldstions 1/1007 • {Foam glass, e.g. obtained by incorporating a blowing agent and heating} 1/200 • Powdered glass (C03C 8/02 takes precedence); Bead compositions 1/202 • Reflective beads 1/203 • Reflective beads 1/204 • Alkali-resistant compositions (manufacture of fibres or filaments C03B 37/00) • {Alkali-resistant fibres} • {containing zirconium} • {Conducting or semi-conducting fibres} • {containing zirconium} • {Condacting or semi-conducting fibres} • {Godas-ceramics fibres} • {Codab 41/48}); Fusion seal compositions being frit compositions being frit goldstions} • Fibre or filament compositions • {Alkali-resistant fibres} • {Conducting or semi-conducting fibres} • {Obtained by leaching of a soluble phase and consolidation} • {Containing zirconium} • {Polycrystalline optical fibres} • {Polycrystalline optical fibres} • Fibre optics, e.g. core and clad fibre compositions	4/02			
4/06 . for phototropic or photochromic glass 4/065 {for silver-halide free photochromic glass} 4/08 . for glass selectively absorbing radiation of specified wave lengths 4/082 . {for infra-red absorbing glass} 4/085 . {for ultra-violet absorbing glass} 4/087 . {for X-rays absorbing glass} 4/10 . for infra-red transmitting glass 4/12 . for luminescent glass; for fluorescent glass 4/14 . for electro-conductive glass 4/16 . for dielectric glass 4/16 . for chemical resistant glass 4/18 . for ion-sensitive glass 4/20 . for chemical resistant glass 8/00 Enamels; Glazes (cold glazes for ceramics {C04B 41/48}); Fusion seal compositions being frit compositions having pon-frit additions 4/10 . for phototropic or photochromic glass 12/00 Powdered glass (C03C 8/02 takes precedence); Bead compositions 12/00 Powdered glass (C03C 8/02 takes precedence); Bead compositions 12/00 Powdered glass (C03C 8/02 takes precedence); Bead compositions 13/00 Fibre or filament compositions (manufacture of fibres or filaments C03B 37/00) 13/001 . {Alkali-resistant fibres} 13/002 . {containing zirconium} 4/14 . for electro-conductive glass 13/003 . {Conducting or semi-conducting fibres} 4/18 . for ion-sensitive glass 13/006 . {Glass-ceramics fibres} 13/007 . {containing zirconium} 4/20 . for chemical resistant glass 13/007 . {Containing zirconium} 13/008 . {Containing zirconium} 13/008 . {Polycrystalline optical fibres} 13/008 . Fibre optics, e.g. core and clad fibre compositions				
4/065 4/08 4/08 for glass selectively absorbing radiation of specified wave lengths 4/082 4/085 4/085 4/086 4/086 • {for infra-red absorbing glass} 4/087 • {for ultra-violet absorbing glass} 4/10 • for infra-red transmitting glass 4/11 • for electro-conductive glass 4/12 • for dielectric glass 4/14 • for dielectric glass 4/16 • for dielectric glass 4/18 • for ion-sensitive glass 4/20 • for chemical resistant glass 8/00 Enamels; Glazes (cold glazes for ceramics {C04B 41/48}); Fusion seal compositions being frit compositions baying non-frit additions 4/08 • for glass selectively absorbing radiation of specified wave lengths 12/00 Powdered glass (C03C 8/02 takes precedence); Bead compositions 12/00 Reflective beads 13/00 Fibre or filament compositions (manufacture of fibres or filaments C03B 37/00) • {Alkali-resistant fibres} 13/002 • {containing zirconium} • {Conducting or semi-conducting fibres} • {Conducting or semi-conducting fibres} • {Cottaining zirconium} • {Cottaining zirconium} • {Cottaining zirconium} • {Polycrystalline optical fibres} • Fibre optics, e.g. core and clad fibre compositions			11/00/	
4/08				blowing agent and nearing)
wave lengths 4/082 . {for infra-red absorbing glass} 4/085 . {for ultra-violet absorbing glass} 4/087 . {for X-rays absorbing glass} 4/10 . for infra-red transmitting glass 4/12 . for luminescent glass; for fluorescent glass 4/14 . for electro-conductive glass 4/16 . for dielectric glass 4/18 . for ion-sensitive glass 4/20 . for chemical resistant glass 8/00 Enamels; Glazes (cold glazes for ceramics {CO4B 41/48}); Fusion seal compositions being frit compositions having non-frit additions 12/02 . Reflective beads 13/00 Fibre or filament compositions (manufacture of fibres or filaments C03B 37/00) . {Alkali-resistant fibres} . {Conducting zirconium} . {Conducting or semi-conducting fibres} . {Obtained by leaching of a soluble phase and consolidation} . {Glass-ceramics fibres} . {Containing zirconium} . {Containing zirconi			12/00	Powdered glass (C03C 8/02 takes precedence); Bead
4/082 . {for infra-red absorbing glass} 4/085 . {for ultra-violet absorbing glass} 13/00 Fibre or filament compositions (manufacture of fibres or filaments C03B 37/00) 4/10 . {or infra-red transmitting glass} 4/12 . for luminescent glass; for fluorescent glass 4/14 . for electro-conductive glass 4/16 . for dielectric glass 4/18 . for ion-sensitive glass 4/20 . for chemical resistant glass 8/00 Enamels; Glazes (cold glazes for ceramics {C04B 41/48}); Fusion seal compositions being frit compositions having non-frit additions 12/02 . Reflective beads 13/00 Fibre or filament compositions (manufacture of fibres or filaments C03B 37/00) . {Alkali-resistant fibres} 13/002 . {containing zirconium} . {Conducting or semi-conducting fibres} . {obtained by leaching of a soluble phase and consolidation} . {Glass-ceramics fibres} . {Glass-ceramics fibres} . {Cottaining zirconium} . {Polycrystalline optical fibres} . Fibre optics, e.g. core and clad fibre compositions	4/08	• • • •		•
4/082 . {for infra-red absorbing glass} 4/085 . {for ultra-violet absorbing glass} 4/087 . {for X-rays absorbing glass} 4/10 . for infra-red transmitting glass 4/12 . for luminescent glass; for fluorescent glass 4/14 . for electro-conductive glass 4/16 . for dielectric glass 4/18 . for ion-sensitive glass 4/20 . for chemical resistant glass 8/00 Enamels; Glazes (cold glazes for ceramics {C04B 41/48}); Fusion seal compositions being frit compositions having non-frit additions 4/18 . for infra-red absorbing glass} 13/00 Fibre or filament compositions (manufacture of fibres or filaments C03B 37/00) . {Alkali-resistant fibres} . {containing zirconium} . {Conducting or semi-conducting fibres} . {Obtained by leaching of a soluble phase and consolidation} . {Glass-ceramics fibres} . {Glass-ceramics fibres} . {Containing zirconium} . {Polycrystalline optical fibres} . Fibre optics, e.g. core and clad fibre compositions	4/002		12/02	-
4/087 {for X-rays absorbing glass} 4/10 . for infra-red transmitting glass 4/12 . for luminescent glass; for fluorescent glass 4/14 . for electro-conductive glass 4/16 . for dielectric glass 4/18 . for ion-sensitive glass 4/20 . for chemical resistant glass 8/00 Enamels; Glazes (cold glazes for ceramics {C04B 41/48}); Fusion seal compositions being frit compositions having non-frit additions 6 Ibres or filaments C03B 37/00 . {Alkali-resistant fibres} 13/002 . {containing zirconium} . {Conducting or semi-conducting fibres} . {obtained by leaching of a soluble phase and consolidation} . {Glass-ceramics fibres} . {Glass-ceramics fibres} . {Cottaining zirconium} . {Polycrystalline optical fibres} . Fibre optics, e.g. core and clad fibre compositions			,	
4/10 . for infra-red transmitting glass 4/12 . for luminescent glass; for fluorescent glass 4/14 . for electro-conductive glass 4/16 . for dielectric glass 4/18 . for ion-sensitive glass 4/18 . for ion-sensitive glass 4/20 . for chemical resistant glass 8/00 Enamels; Glazes (cold glazes for ceramics {C04B 41/48}); Fusion seal compositions being frit compositions having non-frit additions 13/001 . {Alkali-resistant fibres} . {Conducting or semi-conducting fibres} . {obtained by leaching of a soluble phase and consolidation} . {Glass-ceramics fibres} . {Glass-ceramics fibres} . {containing zirconium} . {Polycrystalline optical fibres} . Fibre optics, e.g. core and clad fibre compositions			13/00	
4/12 . for luminescent glass; for fluorescent glass 4/14 . for electro-conductive glass 4/16 . for dielectric glass 4/18 . for ion-sensitive glass 4/20 . for chemical resistant glass 8/00 Enamels; Glazes (cold glazes for ceramics {C04B 41/48}); Fusion seal compositions being frit compositions having non-frit additions 13/002 . {containing zirconium} 13/003 . {obtained by leaching of a soluble phase and consolidation} 13/006 . {Glass-ceramics fibres} 13/007 . {containing zirconium} 13/008 . {Containing zirconium} 13/008 . {Polycrystalline optical fibres} 13/008 . Fibre optics, e.g. core and clad fibre compositions				
4/14 . for electro-conductive glass 4/16 . for dielectric glass 4/18 . for ion-sensitive glass 4/20 . for chemical resistant glass 8/00 Enamels; Glazes (cold glazes for ceramics {C04B 41/48}); Fusion seal compositions being frit compositions having non-frit additions 13/003 . {Conducting or semi-conducting fibres} 13/005 . {obtained by leaching of a soluble phase and consolidation} 13/006 . {Glass-ceramics fibres} 13/007 . {containing zirconium} 13/008 . {Polycrystalline optical fibres} 13/008 . Fibre optics, e.g. core and clad fibre compositions	4/10		13/001	• {Alkali-resistant fibres}
4/14 . for electro-conductive glass 4/16 . for dielectric glass 4/18 . for ion-sensitive glass 4/20 . for chemical resistant glass 8/00 Enamels; Glazes (cold glazes for ceramics {C04B 41/48}); Fusion seal compositions being frit compositions having non-frit additions 13/003 . {Conducting or semi-conducting fibres} 13/005 . {obtained by leaching of a soluble phase and consolidation} 13/006 . {Glass-ceramics fibres} 13/007 . {containing zirconium} 13/008 . {Polycrystalline optical fibres} 13/008 . Fibre optics, e.g. core and clad fibre compositions	4/12	 for luminescent glass; for fluorescent glass 	13/002	• • {containing zirconium}
4/16 . for dielectric glass 4/18 . for ion-sensitive glass 4/20 . for chemical resistant glass 8/00 Enamels; Glazes (cold glazes for ceramics {C04B 41/48}); Fusion seal compositions being frit compositions having non-frit additions 13/005 . {obtained by leaching of a soluble phase and consolidation} . {Glass-ceramics fibres} 13/007 . {containing zirconium} . {Polycrystalline optical fibres} . Fibre optics, e.g. core and clad fibre compositions	4/14	for electro-conductive glass	13/003	
4/18 . for ion-sensitive glass 4/20 . for chemical resistant glass 8/00 Enamels; Glazes (cold glazes for ceramics {C04B 41/48}); Fusion seal compositions being frit compositions having non-frit additions 13/007 . {Containing zirconium} 13/008 . {Polycrystalline optical fibres} 13/04 . Fibre optics, e.g. core and clad fibre compositions		_		
4/20 . for chemical resistant glass 13/006 . {Glass-ceramics fibres} 8/00 Enamels; Glazes (cold glazes for ceramics {C04B 41/48}); Fusion seal compositions being frit compositions having non-frit additions 13/04 . {Containing zirconium} 13/008 . {Glass-ceramics fibres} 13/008 . {Containing zirconium} 13/008 . {Polycrystalline optical fibres} 13/04 . Fibre optics, e.g. core and clad fibre compositions				
8/00 Enamels; Glazes (cold glazes for ceramics {C04B 41/48}); Fusion seal compositions being frit compositions having non-frit additions 13/007 13/008 13/008 13/04 • {Polycrystalline optical fibres} • Fibre optics, e.g. core and clad fibre compositions			13/006	
**Enamels; Glazes (cold glazes for ceramics {C04B 41/48}); Fusion seal compositions being frit compositions having non-frit additions 13/04 13/04 Fibre optics, e.g. core and clad fibre compositions				
(CO4B 41/48)); rusion seal compositions being irit compositions having non-frit additions 13/04 Fibre optics, e.g. core and clad fibre compositions	8/00			
(light guides <u>GUZB 6/UU</u>)		compositions having non-frit additions	13/04	
				(fight guides <u>002B 0/00</u>)

13/041	• • {Non-oxide glass compositions}	17/25	• • • by deposition from the liquid phase
13/042	• • • {Fluoride glass compositions}	17/253	• • • {Coating containing SnO ₂ }
13/043	• • • {Chalcogenide glass compositions}	17/256	• • • {Coating containing TiO ₂ }
13/044	• • • {containing halogen, e.g. chalcohalide glass	17/27	• • • by oxidation of a coating previously applied
	compositions}	17/28	 with organic material (<u>C03C 17/34</u>, <u>C03C 17/44</u>
13/045	• • {Silica-containing oxide glass compositions}		take precedence)
13/046	• • • {Multicomponent glass compositions}	17/30	 with silicon-containing compounds
13/047	• • {containing deuterium}	17/32	• • with synthetic or natural resins (<u>C03C 17/30</u> takes
13/048	• • {Silica-free oxide glass compositions}		precedence)
13/06	 Mineral fibres, e.g. slag wool, mineral wool, rock 	17/322	• • • {Polyurethanes or polyisocyanates}
	wool	17/324	· · · {Polyesters}
14/00	Glass compositions containing a non-glass	17/326	• • • {Epoxy resins}
	component, e.g. compositions containing fibres,	17/328	• • {Polyolefins}
	filaments, whiskers, platelets, or the like, dispersed	17/34	 with at least two coatings having different
	in a glass matrix (devitrified glass ceramics		compositions (<u>C03C 17/44</u> takes precedence)
14/002	C03C 10/00)• {the non-glass component being in the form of	17/3405	• • {with at least two coatings of organic materials (C03C 17/36, C03C 17/42 take precedence)}
1 1/002	fibres, filaments, yarns, felts or woven material}	17/3411	• • { with at least two coatings of inorganic materials
14/004	• {the non-glass component being in the form of		(<u>C03C 17/36</u> , <u>C03C 17/42</u> take precedence)}
	particles or flakes}	17/3417	• • • {all coatings being oxide coatings}
14/006	• {the non-glass component being in the form of	17/3423	• • • {at least one of the coatings comprising a
	microcrystallites, e.g. of optically or electrically		suboxide}
	active material}	17/3429	• • • {at least one of the coatings being a non-oxide
14/008	• {the non-glass component being in molecular form}		coating}
G 6		17/3435	• • • {comprising a nitride, oxynitride, boronitride
	tment of glass; Surface treatment of fibres or	17/2441	or carbonitride}
maments iro	om glass, minerals or slag	17/3441	{comprising carbon, a carbide or
15/00	Surface treatment of glass, not in the form of	17/3447	oxycarbide} {comprising a halide}
	fibres or filaments, by etching (etching or surface-	17/3447	{comprising a fluoride}
	brightening compositions, in general <u>C09K 13/00</u>)	17/3452	{comprising a ritioride}
15/02	. for making a smooth surface	17/3456	{comprising a chalcogenide}
15/025	• • {for polishing crystal glass, i.e. lead glass}	17/3404	{comprising a sulfide or oxysulfide}
17/00	Surface treatment of glass, not in the form of fibres	17/3476	{comprising a sum de or oxysum de } {comprising a selenide or telluride}
2.,00	or filaments, by coating (optical coatings of optical	17/3470	{comprising a scientae of tentance} {comprising silicon, hydrogenated silicon or
17/001	elements <u>G02B 1/10</u>)		a silicide}
17/001 17/002	• {General methods for coating; Devices therefor}	17/3488	• • • {comprising a boride or phosphide}
	• • {for flat glass, e.g. float glass}	17/3494	• • • {comprising other salts, e.g. sulfate,
17/003	• • {for hollow ware, e.g. containers}	17/26	phosphate}
17/004 17/005	 {Coating the inside} {Coating the outside}	17/36	• at least one coating being a metal
17/005	 {Coating the outside} {with materials of composite character}	17/3602	{the metal being present as a layer}
17/000	 • {with materials of composite character} • {containing a dispersed phase, e.g. particles, 	17/3605	• • • {Coatings of the type glass/metal/inorganic compound}
17/007	fibres or flakes, in a continuous phase}	17/3607	• • • {Coatings of the type glass/inorganic
17/008	• • {comprising a mixture of materials covered	17/3007	compound/metal}
177000	by two or more of the groups <u>C03C 17/02</u> ,	17/361	• • • {Coatings of the type glass/metal/inorganic
	C03C 17/06, C03C 17/22 and C03C 17/28}	17/301	compound/metal/inorganic compound/other}
17/009	• • • {Mixtures of organic and inorganic materials,	17/3613	• • • {Coatings of type glass/inorganic compound/
17/02	e.g. ormosils and ormocers}	17/2615	metal/inorganic compound/metal/other}
17/02	 with glass (<u>C03C 17/34</u>, <u>C03C 17/44</u> take precedence) 	17/3615	• • • {Coatings of the type glass/metal/other inorganic layers, at least one layer being non-
17/04	by fritting glass powder		metallic}
17/06	with metals (C03C 17/34, C03C 17/44 take	17/3618	• • • {Coatings of type glass/inorganic compound/
17700	precedence)	17/3010	other inorganic layers, at least one layer
17/09	by deposition from the vapour phase		being metallic}
17/10	 by deposition from the liquid phase 	17/3621	• • • • {one layer at least containing a fluoride}
17/22	• with other inorganic material (C03C 17/34,	17/3623	{one layer at least containing a chloride,
	C03C 17/44 take precedence)		bromide or iodide}
17/225	• • {Nitrides}	17/3626	• • • • { one layer at least containing a nitride,
17/225 17/23	. {Nitrides}. Oxides (<u>C03C 17/02</u> takes precedence)		• • • { one layer at least containing a nitride, oxynitride, boronitride or carbonitride }
	 . {Nitrides} . Oxides (<u>C03C 17/02</u> takes precedence) by deposition from the vapour phase 	17/3628	 { one layer at least containing a nitride, oxynitride, boronitride or carbonitride} { one layer at least containing a sulfide}
17/23	. {Nitrides}. Oxides (<u>C03C 17/02</u> takes precedence)		• • • { one layer at least containing a nitride, oxynitride, boronitride or carbonitride }

17/363	4 {one layer at least containing carbon, a carbide or oxycarbide}	21/006	• • {to perform an exchange of the type Xn+> nH +}
17/363	6 { one layer at least containing silicon,	21/007	• {in gaseous phase}
17/070	hydrogenated silicon or a silicide}	21/008	• {in solid phase, e.g. using pastes, powders}
17/363	functional metal layers}	23/00	Other surface treatment of glass not in the form of fibres or filaments
17/364	·	23/0005	• {by irradiation}
	layer}	23/0003	• {by infra-red light}
17/364	ξ ,	23/0015	• • {by visible light}
17/364		23/0013	• {by visible light}
	being more than 50% }		
17/364	,	23/0025	• • {by a laser beam}
17/365	, E	23/003	• • {by X-rays}
	sacrificial layer to protect the metal from	23/0035	• {by gamma-rays}
	oxidation}	23/004	• • {by electrons, protons or alpha-particles}
17/365	, , ,	23/0045	• {by neutrons}
	one conducting layer}	23/005	• · {by atoms}
17/365	, , , , , , , , , , , , , , , , , , , ,	23/0055	• • {by ion implantation}
17/266	properties}	23/006	• • {by plasma or corona discharge}
17/366	` ,	23/0065	• • {by microwave radiation}
17/366	(1) 1	23/007	• {by thermal treatment}
17/366 17/366	,	23/0075	• {Cleaning of glass (specially adapted to plate glass B08B 11/00)}
	properties}	23/008	• {comprising a lixiviation step}
17/367	1 {specially adapted for use as electrodes}	23/0085	• {Drying; Dehydroxylation}
17/367		23/009	• {Poling glass}
	devices for rear window of vehicles}	23/0095	• {Solution impregnating; Solution doping; Molecular
17/367	6 { specially adapted for use as		stuffing, e.g. of porous glass (in manufacture of
	electromagnetic shield}		preforms <u>C03B 37/012</u>)}
17/367	8 { specially adapted for use in solar cells }	25/00	C - C - 4 - 4 - 4 - 6 - 6 - 1
17/368	1 {the multilayer coating being used in glazing, e.g. windows or windscreens}	25/00	Surface treatment of fibres or filaments from glass, minerals, or slags {(woven fabrics <u>D03</u> ; non-woven
17/368			fabrics <u>D04</u> ; treatment of fabrics in general or non- chemical aspects of treatment of glass fabrics <u>D06M</u>)
17/368	* * *	25/002	• {by thermal treatment}
177500	ovens}	25/005	• {by mechanical means}
17/368	,	25/007	 {by solution impregnating; solution doping or
	of a metallic layer}		molecular stuffing of porous glass}
17/369	• • •	25/10	 by coating
	reduction of an oxide layer}	25/1005	• • {with materials of composite character}
17/369	4 {one layer having a composition gradient through its thickness}	25/101	• • • {containing particles, fibres or flakes, e.g. in a continuous phase}
17/369		25/1015	• • {with rubber latex-containing coatings}
	electroless plating}	25/102	• • {Coating with colouring agent-containing
17/38	at least one coating being a coating of an	25/1025	compositions, e.g. for obtaining coloured textiles}. {Fibres used for reinforcing cement-based
17/40	organic material	23/1023	products}
17/40	all coatings being metal coatings	25/103	• • • {with organic coatings}
17/42	at least one coating of an organic material and at least one non-metal coating	25/1035	• • {with inorganic coatings}
17/44	Lustring	25/104	• • {to obtain optical fibres}
1//44	• Lusuring	25/1045	• • { with organic coatings or claddings }
19/00	Surface treatment of glass, not in the form of fibres	25/105	· · · · {Organic claddings}
	or filaments, by mechanical means (sand-blasting,	25/1055	{Organic coatings}
	grinding, or polishing glass <u>B24</u>)	25/106	· · · · {Single coatings}
21/00	Treatment of glass, not in the form of fibres or	25/1065	{Multiple coatings}
	filaments, by diffusing ions or metals in the surface	25/107	• • { with inorganic coatings}
21/001		25/1075	{Carbon}
21/002		25/108	{Metals}
	(C03C 21/005 takes precedence)	25/1085	• • • • {Multiple inorganic coatings}
21/003	• • { under application of an electrical potential difference}	25/109	• • • {with at least one organic coating and at least
21/005	· ·	25/1005	one inorganic coating } • • {to obtain coated fabrics}
21/003	ions as Ag, Cu}	25/1095 25/12	. {to obtain coated raprics}. General methods for coating; Devices therefor

25/14	• • • Spraying, e.g. pulverisation	25/325	• • • • {Polycarbonates}
25/143	• • • • {Pulverisation on continuous fibres}	25/326	• • • • {Polyureas or polyurethanes}
25/146	• • • • {Pulverisation on fibres in suspension in a	25/328	• • • • {Polyamides}
	gaseous medium}	25/34	Condensation polymers of aldehydes, e.g.
25/16	Dipping		with phenol, ureas, melamines, amides or
25/18	• • using extrusion devices		amines
25/20	Contacting the fibres with applicators, e.g. rolls	25/36	Epoxy resins
25/22	Depositing from the vapour phase	25/38	Organo-metal compounds
25/223	• • • {by chemical vapour deposition or pyrolysis}	25/40	Organo-silicon compounds
25/226	• • • {by sputtering}	25/42	 Coatings containing inorganic materials
	NOTE	25/44	Carbon, e.g. graphite
	NOTE	25/46	Metals
	In groups <u>C03C 25/24</u> - <u>C03C 25/40</u> ,	25/48	with two or more coatings having different
	organic coating compositions also		compositions $\{(\underline{\text{C03C }25/104} \text{ takes precedence})\}$
	cover mixtures of organic and		NOTE
	inorganic compounds. A coating		
	composition which cannot be completely		If one or more of the individual coatings
	classified in a single one of groups		are of interest, for each of these coatings
	C03C 25/24 - C03C 25/40 should be classified in each relevant group, in		classification is also made in one or more
	accordance with the following rules:		of groups <u>C03C 25/24</u> - <u>C03C 25/46</u> , in
	 Compositions containing only one 		accordance with the note before group
	macromolecular constituent and one		<u>C03C 25/24</u> .
	or more conventional inorganic or	25/50	Coatings containing organic materials only
	non-macromolecular compounds,	25/52	Coatings containing inorganic materials only
	e.g. acids, solvents, are classified	25/54	Combinations of one or more coatings
	according to the macromolecular		containing organic materials only with one or
	constituent only.		more coatings containing inorganic materials
	 Compositions containing two or 		only
	more macromolecular constituents	25/60	 by diffusing ions or metals in the surface
	and further conventional inorganic	25/601	• • {in the liquid phase, e.g. using molten salts or
	or non-macromolecular compounds		solutions}
	are classified according to the	25/602	• • • {to perform ion-exchange between alkali ions
	macromolecular constituent present in		$(\underline{\text{C03C }25/605} \text{ takes precedence})$
	the highest proportion. If, however, the other macromolecular constituents	25/603	• • • {under application of an electrical potential
	represent invention information,		difference}
	classification is also made for these	25/605	• • • {to introduce in the glass such metals or
	constituents.		metallic ions as Ag or Cu}
	 Compositions containing 	25/606	• • • {to perform an exchange of the type Xn+
	macromolecular constituents present in		>nH+}
	comparable proportions are classified	25/607	• • {in the gaseous phase}
	according to these constituents.	25/608	• • {in the solid phase, e.g. using pastes, powders}
	 If non-macromolecular compounds 	25/62	• by application of electric or wave energy or particle
	in the composition also represent		radiation, or by ion implantation (for drying or
	invention information, <u>C03C 25/38</u> ,		dehydration C03C 25/64)
	for specific solvents, fillers, dyes or	25/6206	• • {Electromagnetic waves}
	pigments, surfactants, biocides or the	25/6213	{Infra-red}
	like in <u>C03C 25/24</u> or subgroups.	25/622	• • • {Visible light}
25/24	Coatings containing organic materials	25/6226	{Ultra-violet}
25/243	• • {Oils, waxes, fats or derivatives thereof}	25/6233	{Laser}
25/246	Non-macromolecular compounds not covered	25/624	$$ {X-rays}
	by <u>C03C 25/243</u> }	25/6246	{Gamma-rays}
25/26	Macromolecular compounds or prepolymers,	25/6253	• • • {Microwaves}
	{e.g. sizing compositions}	25/626	• • {Particle radiation or ion implantation}
25/28	obtained by reactions involving only carbon-	25/6266	• • • {Electrons, protons or alpha-particles}
	to-carbon unsaturated bonds	25/6273	• • • {Neutrons}
25/285	{Acrylic resins}	25/628	{Atoms}
25/30	Polyolefins	25/6286	• • • {Ion implantation}
25/305	{Polyfluoro olefins}	25/6293	• • {Plasma or corona discharge}
25/32	obtained otherwise than by reactions	25/64	 Drying; Dehydration; Dehydroxylation
	involving only carbon-to-carbon unsaturated	25/66	. Chemical treatment, e.g. leaching, acid alkali
	bonds		treatment (dehydroxylation C03C 25/46)
25/321	• • • • {Starch or starch derivatives}	25/68	• • by etching
25/323	{Esters or alkyd resins}		

25/323

• • • • {Esters or alkyd resins}

25/70 • Cleaning, e.g. for reuse ($\{\frac{\text{C03C 25/002}}{\text{C03C 25/62}}\}$ and $\frac{\text{C03C 25/66}}{\text{C03C 25/66}}$ take precedence)

<u>Joining glass to glass or to other materials</u> (fusion seal compositions <u>C03C 8/24</u>)

NOTE

29/00

Layered products classified in groups $\underline{\text{C03C }27/00}$ or $\underline{\text{C03C }29/00}$ are also classified in subclass $\underline{\text{B32B}}$.

27/00	Joining pieces of glass to pieces of other inorganic material; Joining glass to glass other than by fusing (C03C 17/00 takes precedence; layered structures comprising at least one glass sheet B32B 17/00; wired glass C03B; joining glass to ceramics C04)
27/005	• {with compositions containing more than 50% lead oxide by weight}
27/02	 by fusing glass directly to metal
27/04	 Joining glass to metal by means of an interlayer
27/042	 {consisting of a combination of materials selected from glass, glass-ceramic or ceramic material with metals, metal oxides or metal salts}
27/044	• • • {of glass, glass-ceramic or ceramic material only}
27/046	• • { of metals, metal oxides or metal salts only }
27/048	• • {consisting of an adhesive specially adapted for that purpose}
27/06	• Joining glass to glass by processes other than fusing (fusing C03B 23/20; units for use as elements for closing wall or like openings and comprising two or more parallel glass panes in spaced relationship, the panes being permanently secured together E06B 3/66)
27/08	with the aid of intervening metal
27/10	• • with the aid of adhesive specially adapted for that purpose

2201/00	Glass compositions
2201/02	Pure silica glass, e.g. pure fused quartz
2201/06	Doped silica-based glasses
2201/08	containing boron or halide
2201/10	• • • containing boron (C03C 2201/14 takes
	precedence)
2201/11	containing chlorine
2201/12	containing fluorine (C03C 2201/14 takes
	precedence)
2201/14	containing boron and fluorine
2201/20	containing non-metals other than boron or halide
2201/21	containing molecular hydrogen
2201/22	containing deuterium
2201/23	containing hydroxyl groups
2201/24	containing nitrogen, e.g. silicon oxy-nitride
	glasses
2201/26	containing carbon
2201/28	containing phosphorus
2201/30	containing metals
2201/31	containing germanium
2201/32	containing aluminium (C03C 2201/36 takes
	precedence)

Joining metals with the aid of glass

2201/34	
2201/31	• • containing rare earth metals (<u>C03C 2201/36</u>
	takes precedence)
2201/3405	Scandium
2201/3411	Yttrium
2201/3417	Lanthanum
2201/3423	Cerium
2201/3429	Praseodymium
2201/3435	Neodymium
2201/3441	Samarium
2201/3447	Europium
2201/3452	Gadolinium
2201/3458	Terbium
2201/3464	Dysprosium
2201/347	Holmium
2201/3476	Erbium
2201/3482	Thulium
2201/3488	Ytterbium
2201/3494	Lutetium
2201/36	containing rare earth metals and aluminium,
	e.g. Er-Al co-doped
2201/40	containing transition metals other than rare
	earth metals, e.g. Zr, Nb, Ta or Zn
2201/42	• • • containing titanium
2201/50	containing alkali metals
2201/54	containing beryllium, magnesium or alkaline
	earth metals
2201/58	containing metals in non-oxide form, e.g. CdSe
2201/60	containing organic material
2201/80	• containing bubbles or microbubbles, e.g. opaque
	quartz glass
2203/00	Production processes
2203/10	Melting processes
2203/20	• Wet processes, e.g. sol-gel process
2203/22	using colloidal silica sols
	using alkali silicate solutions
2203/24	_
2203/24 2203/26	using alkoxides
	using alkoxidesthe alkoxides containing other organic groups,
2203/26 2203/27	using alkoxides the alkoxides containing other organic groups, e.g. alkyl groups
2203/26 2203/27 2203/28	 using alkoxides the alkoxides containing other organic groups, e.g. alkyl groups functional groups, e.g. vinyl, glycidyl
2203/26 2203/27 2203/28 2203/30	 using alkoxides the alkoxides containing other organic groups, e.g. alkyl groups functional groups, e.g. vinyl, glycidyl Additives
2203/26 2203/27 2203/28 2203/30 2203/32	 using alkoxides the alkoxides containing other organic groups, e.g. alkyl groups functional groups, e.g. vinyl, glycidyl Additives Catalysts
2203/26 2203/27 2203/28 2203/30 2203/32 2203/34	 using alkoxides the alkoxides containing other organic groups, e.g. alkyl groups functional groups, e.g. vinyl, glycidyl Additives Catalysts adding silica powder
2203/26 2203/27 2203/28 2203/30 2203/32 2203/34 2203/36	 using alkoxides the alkoxides containing other organic groups, e.g. alkyl groups functional groups, e.g. vinyl, glycidyl Additives Catalysts adding silica powder Gel impregnation
2203/26 2203/27 2203/28 2203/30 2203/32 2203/34 2203/36 2203/40	 using alkoxides the alkoxides containing other organic groups, e.g. alkyl groups functional groups, e.g. vinyl, glycidyl Additives Catalysts adding silica powder Gel impregnation Gas-phase processes
2203/26 2203/27 2203/28 2203/30 2203/32 2203/34 2203/36 2203/40 2203/42	 using alkoxides the alkoxides containing other organic groups, e.g. alkyl groups functional groups, e.g. vinyl, glycidyl Additives Catalysts adding silica powder Gel impregnation Gas-phase processes using silicon halides as starting materials
2203/26 2203/27 2203/28 2203/30 2203/32 2203/34 2203/36 2203/40 2203/42 2203/44	 using alkoxides the alkoxides containing other organic groups, e.g. alkyl groups functional groups, e.g. vinyl, glycidyl Additives Catalysts adding silica powder Gel impregnation Gas-phase processes using silicon halides as starting materials chlorine containing
2203/26 2203/27 2203/28 2203/30 2203/32 2203/34 2203/40 2203/40 2203/44 2203/46	 using alkoxides the alkoxides containing other organic groups, e.g. alkyl groups functional groups, e.g. vinyl, glycidyl Additives Catalysts adding silica powder Gel impregnation Gas-phase processes using silicon halides as starting materials chlorine containing fluorine containing
2203/26 2203/27 2203/28 2203/30 2203/32 2203/34 2203/40 2203/42 2203/44 2203/46 2203/50	 using alkoxides the alkoxides containing other organic groups, e.g. alkyl groups functional groups, e.g. vinyl, glycidyl Additives Catalysts adding silica powder Gel impregnation Gas-phase processes using silicon halides as starting materials chlorine containing fluorine containing After-treatment
2203/26 2203/27 2203/28 2203/30 2203/32 2203/34 2203/36 2203/40 2203/42 2203/44 2203/46 2203/50 2203/52	 using alkoxides the alkoxides containing other organic groups, e.g. alkyl groups functional groups, e.g. vinyl, glycidyl Additives Catalysts adding silica powder Gel impregnation Gas-phase processes using silicon halides as starting materials chlorine containing fluorine containing After-treatment Heat-treatment
2203/26 2203/27 2203/28 2203/30 2203/32 2203/34 2203/40 2203/42 2203/44 2203/46 2203/50	 using alkoxides the alkoxides containing other organic groups, e.g. alkyl groups functional groups, e.g. vinyl, glycidyl Additives Catalysts adding silica powder Gel impregnation Gas-phase processes using silicon halides as starting materials chlorine containing fluorine containing After-treatment
2203/26 2203/27 2203/28 2203/30 2203/32 2203/34 2203/36 2203/40 2203/42 2203/44 2203/46 2203/50 2203/52	 using alkoxides the alkoxides containing other organic groups, e.g. alkyl groups functional groups, e.g. vinyl, glycidyl Additives Catalysts adding silica powder Gel impregnation Gas-phase processes using silicon halides as starting materials chlorine containing fluorine containing After-treatment Heat-treatment
2203/26 2203/27 2203/28 2203/30 2203/32 2203/34 2203/40 2203/42 2203/44 2203/46 2203/50 2203/52 2203/54	 using alkoxides the alkoxides containing other organic groups, e.g. alkyl groups functional groups, e.g. vinyl, glycidyl Additives Catalysts adding silica powder Gel impregnation Gas-phase processes using silicon halides as starting materials chlorine containing fluorine containing Heat-treatment Heat-treatment in a dopant containing atmosphere Glasses, glazes or enamels with special properties Antibacterial glass, glaze or enamel
2203/26 2203/27 2203/28 2203/30 2203/32 2203/34 2203/40 2203/42 2203/44 2203/46 2203/50 2203/52 2203/54 2204/00	 using alkoxides the alkoxides containing other organic groups, e.g. alkyl groups functional groups, e.g. vinyl, glycidyl Additives Catalysts adding silica powder Gel impregnation Gas-phase processes using silicon halides as starting materials chlorine containing fluorine containing Heat-treatment in a dopant containing atmosphere Glasses, glazes or enamels with special properties Antibacterial glass, glaze or enamel Opaque glass, glaze or enamel
2203/26 2203/27 2203/28 2203/30 2203/32 2203/34 2203/40 2203/42 2203/44 2203/46 2203/50 2203/52 2203/54 2204/00 2204/02	 using alkoxides the alkoxides containing other organic groups, e.g. alkyl groups functional groups, e.g. vinyl, glycidyl Additives Catalysts adding silica powder Gel impregnation Gas-phase processes using silicon halides as starting materials chlorine containing fluorine containing Heat-treatment in a dopant containing atmosphere Glasses, glazes or enamels with special properties Antibacterial glass, glaze or enamel Opaque glass, glaze or enamel opacified by gas
2203/26 2203/27 2203/28 2203/30 2203/32 2203/34 2203/40 2203/42 2203/44 2203/46 2203/50 2203/52 2203/54 2204/00 2204/02 2204/04	 using alkoxides the alkoxides containing other organic groups, e.g. alkyl groups functional groups, e.g. vinyl, glycidyl Additives Catalysts adding silica powder Gel impregnation Gas-phase processes using silicon halides as starting materials chlorine containing fluorine containing Heat-treatment in a dopant containing atmosphere Glasses, glazes or enamels with special properties Antibacterial glass, glaze or enamel Opaque glass, glaze or enamel
2203/26 2203/27 2203/28 2203/30 2203/32 2203/34 2203/40 2203/42 2203/44 2203/46 2203/50 2203/52 2203/54 2204/00 2204/02 2204/04 2204/06 2204/08	 using alkoxides the alkoxides containing other organic groups, e.g. alkyl groups functional groups, e.g. vinyl, glycidyl Additives Catalysts adding silica powder Gel impregnation Gas-phase processes using silicon halides as starting materials chlorine containing fluorine containing Heat-treatment in a dopant containing atmosphere Glasses, glazes or enamels with special properties Antibacterial glass, glaze or enamel Opaque glass, glaze or enamel opacified by gas Glass having a rough surface
2203/26 2203/27 2203/28 2203/30 2203/32 2203/34 2203/40 2203/42 2203/44 2203/46 2203/50 2203/52 2203/54 2204/00 2204/04 2204/06	 using alkoxides the alkoxides containing other organic groups, e.g. alkyl groups functional groups, e.g. vinyl, glycidyl Additives Catalysts adding silica powder Gel impregnation Gas-phase processes using silicon halides as starting materials chlorine containing fluorine containing Heat-treatment in a dopant containing atmosphere Glasses, glazes or enamels with special properties Antibacterial glass, glaze or enamel Opaque glass, glaze or enamel opacified by gas

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2205/02 . for opaque enamels or glazes2205/04 . for self-cleaning enamels or glazes

2205/06 . for dental use

2207/00	Compositions specially applicable for the manufacture of vitreous enamels	2217/254 2217/255	Noble metals
2207/02	containing ingredients for securing a good bond	2217/256	Ag
2207702	between the vitrified enamel and the metal	2217/257	Refractory metals
2207/04	• for steel	2217/258	Ti, Zr, Hf
2207/06	• for cast iron	2217/259	V, Nb, Ta
2207/08	for light metals	2217/26	Cr, Mo, W
2207/10	• for copper, silver or gold	2217/261	Iron-group metals, i.e. Fe, Co or Ni
	-	2217/262	Light metals other than Al
2209/00	Compositions specially applicable for the manufacture of vitreous glazes	2217/263	Metals other than noble metals, Cu or Hg
2209/02	to produce non-uniformly coloured glazes		
2207/02	. to produce non-uniformly coloured glazes		NOTE
2213/00	Glass fibres or filaments		This code is only to be used in combination
2213/02	Biodegradable glass fibres		with <u>C03C</u> classification symbols having the
2213/04	. Dual fibres		+IDT notation.
2214/00	Nature of the non-vitreous component	2217/268	Other specific metals
2214/02	. Fibres; Filaments; Yarns; Felts; Woven material	2217/269	Non-specific enumeration
2214/03	surface treated, e.g. coated	2217/27	Mixtures of metals, alloys
2214/04	• Particles; Flakes	2217/28	Other inorganic materials
2214/05	surface treated, e.g. coated	2217/281	Nitrides
2214/06	• Whiskers ss	2217/282	Carbides, silicides
2214/07	surface treated, e.g. coated	2217/283	Borides, phosphides
2214/08	• Metals	2217/284	Halides
2214/10	Superconducting materials	2217/285	Fluorides
2214/12	• Polymers	2217/286	Chlorides
2214/14	• Waste material, e.g. to be disposed of	2217/287	Chalcogenides
2214/16	Microcrystallites, e.g. of optically or electrically	2217/288	Sulfides
	active material	2217/289	Selenides, tellurides
2214/17	• in molecular form (for molecular composites)	2217/29	Mixtures
2214/20	Glass-ceramics matrix	2217/40	Coatings comprising at least one inhomogeneous
2214/30	Methods of making the composites		layer
2214/32	comprising a sol-gel process	2217/42	consisting of particles only
2214/34	. comprising an impregnation by molten glass step	2217/425	consisting of a porous layer
2215/00		2217/43	consisting of a dispersed phase in a continuous
2217/00	Coatings on glass		phase
2217/20 2217/21	Materials for coating a single layer on glass Oxides	2217/44	characterized by the composition of the
2217/21	SnO ₂	2215/115	continuous phase
		2217/445	Organic continuous phases
	TiO ₂	2217/45	Inorganic continuous phases
2217/213	SiO ₂	2217/452	Glass
2217/214	Al_2O_3	2217/46	characterized by the dispersed phase
2217/215	In ₂ O ₃	2217/465	having a specific shape
2217/216	ZnO	2217/47	consisting of a specific material
2217/217	FeOx, CoOx, NiOx	2217/475	Inorganic materials
2217/218	V_2O_5 , Nb_2O_5 , Ta_2O_5	2217/476	Tin oxide or doped tin oxide
2217/219	CrOx, MoOx, WOx	2217/477	Titanium oxide
2217/22	$\mathbf{L} \cdot \mathbf{L} \cdot \mathbf{ZrO}_2$	2217/478	Silica
2217/228	Other specific oxides	2217/479	Metals
2217/229	Non-specific enumeration	2217/48	having a specific function
2217/23	Mixtures	2217/485	Pigments
2217/231	$I_{1} \dots I_{1} I_{2} O_{3/1} SnO_{2}$	2217/70	. Properties of coatings
2217/232	CdO/SnO ₂	2217/71	. Photocatalytic coatings
2217/24	Doped oxides	2217/72	. Decorative coatings
2217/241	• • • with halides	2217/73	. Anti-reflective coatings with specific
2217/242	with rare earth metals	2217/722	characteristics
	with S, Se, Te	2217/732	made of a single layer
2217/243	with Sb	2217/734	comprising an alternation of high and low refractive indexes
	· · · · with 50		remactive indexes
2217/243	Metals	2217/74	
2217/243 2217/244		2217/74	UV-absorbing coatings
2217/243 2217/244 2217/25	Metals	2217/75	. UV-absorbing coatings. Hydrophilic and oleophilic coatings
2217/243 2217/244 2217/25 2217/251	Metals Al, Cu, Mg or noble metals		UV-absorbing coatings

2217/775	to provide anti-slip characteristics
2217/78	Coatings specially designed to be durable, e.g.
	scratch-resistant
2217/90	Other aspects of coatings
2217/91	Coatings containing at least one layer having a
	composition gradient through its thickness
2217/92	Coating of crystal glass
2217/93	Coatings containing a reinforcement comprising
	fibers or grids
2217/94	Transparent conductive oxide layers [TCO] being
	part of a multilayer coating
2217/944	Layers comprising zinc oxide
2217/948	Layers comprising indium tin oxide [ITO]
2218/00	Methods for coating glass
2218/10	Deposition methods
2218/11	from solutions or suspensions
2218/111	by dipping, immersion
2218/112	by spraying
2218/113	by sol-gel processes
2218/114	by brushing, pouring or doctorblading
2218/115	electro-enhanced deposition
2218/116	by spin-coating, centrifugation
2218/117	by ultrasonic methods
2218/118	by roller-coating
2218/119	by printing
2218/13	• • from melts
2218/15	from the vapour phase
2218/151	by vacuum evaporation
2218/152	by cvd
2218/1525	by atmospheric CVD
2218/153	by plasma-enhanced cvd
2218/154	by sputtering
2218/155	by reactive sputtering
2218/156	by magnetron sputtering
2218/17	from a solid phase
2218/30	Aspects of methods for coating glass not covered
	above
2218/31	Pre-treatment
2218/32	After-treatment
2218/322	Oxidation
2218/324	De-oxidation
2218/326	Nitriding
2218/328	Partly or completely removing a coating
2218/33	by etching
2218/335	Reverse coating
2218/34	Masking
2218/345	Surface crystallisation
2218/35	Exuding
2218/355	Temporary coating
2218/36	Underside coating of a glass sheet
2218/365	Coating different sides of a glass substrate